

2020 Priority Pest List: Commodity and Taxonomic Surveys

Surveys available through the PPA 7721¹ are included in this document. Click on the name of the survey manual to go directly to that pest list. Changes to the pests lists for 2020 are documented in the [Summary of Pest List Changes](#).

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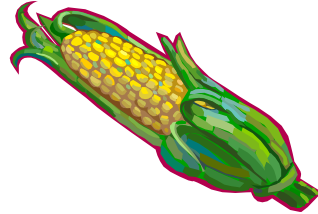
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¹ Farm Bill Section 10007 is now called Plant Protection Act (PPA) Section 7721 Program (PPA 7721)

Surveys Available through CAPS

Corn



| Scientific Name | Common Name | Eco. & Environ.* |
|---|-------------------------|------------------|
| <i>Autographa gamma</i> | Silver Y moth | Yes |
| <i>Chilo partellus</i> | Spotted stem borer | No |
| <i>Diabrotica speciosa</i> | Cucurbit beetle | Yes |
| <i>Helicoverpa armigera</i> | Old world bollworm | Yes |
| <i>Heteronychus arator</i> | Black maize beetle | Yes |
| <i>Laodelphax striatellus</i> | Small brown planthopper | Yes |
| <i>Magnaporthiopsis maydis</i> | Late wilt of corn | Yes |
| <i>Peronosclerospora maydis</i> | Java downy mildew | Yes |
| <i>Peronosclerospora philippinensis</i> | Philippine downy mildew | Yes |
| <i>Spodoptera litura</i> | Cotton cutworm | Yes |
| <i>Thaumatotibia leucotreta</i> | False codling moth | Yes |

*Eco. & Environ. denotes that the pest is on the 2020 Pests of Economic and Environmental Importance Prioritized Pest List.

Cotton



| Scientific Name | Common Name | Eco. & Environ.* |
|---------------------------------|---------------------|------------------|
| <i>Anthonomus grandis</i> | Boll weevil | No |
| <i>Helicoverpa armigera</i> | Old World bollworm | Yes |
| <i>Oxycarenus hyalinipennis</i> | Cotton seed bug | Yes |
| <i>Pectinophora gossypiella</i> | Pink bollworm | No |
| <i>Spodoptera littoralis</i> | Egyptian cottonworm | No |
| <i>Spodoptera litura</i> | Cotton cutworm | Yes |
| <i>Thaumatotibia leucotreta</i> | False codling moth | Yes |

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Cyst Nematode



Photo by Jonathan D. Eisenback,
Virginia Polytechnic Institute and
State University

| Scientific Name | Common Name | Eco. & Environ.* |
|--------------------------------|-------------------------|------------------|
| <i>Globodera pallida</i> | Pale cyst nematode | No |
| <i>Globodera rostochiensis</i> | Golden nematode | No |
| <i>Heterodera cajani</i> | Pigeonpea cyst nematode | No |
| <i>Heterodera ciceri</i> | Chickpea cyst nematode | No |

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Exotic Wood Borer/ Bark Beetle



Photo by Maja Jurc, University of Ljubljana, Bugwood.org

| Scientific Name | Common Name | Eco. & Environ.* |
|---------------------------------|------------------------------------|------------------|
| <i>Agrilus biguttatus</i> | Oak splendour beetle | Yes |
| <i>Agrilus planipennis</i> | Emerald ash borer | No |
| <i>Anoplophora chinensis</i> | Citrus longhorned beetle | Yes |
| <i>Anoplophora glabripennis</i> | Asian longhorned beetle | No |
| <i>Callidiellum villosulum</i> | Brown fir longhorned beetle | No |
| <i>Dendroctonus micans</i> | European spruce beetle | No |
| <i>Hylobius abeitus</i> | Large pine weevil | No |
| <i>Ips sexdentatus</i> | Six-toothed bark beetle | No |
| <i>Ips typographus</i> | European spruce bark beetle | No |
| <i>Megaplatypus mutatus</i> | No common name, an ambrosia beetle | Yes |
| <i>Monochamus alternatus</i> | Japanese pine sawyer | No |
| <i>Monochamus urussovii</i> | Black fir sawyer | No |
| <i>Pityogenes chalcographus</i> | Six-toothed spruce bark beetle | No |
| <i>Platypus quercivorus</i> | Oak ambrosia beetle | Yes |
| <i>Tetropium castaneum</i> | Black spruce beetle | No |
| <i>Tetropium fuscum</i> | Brown spruce longhorned beetle | No |
| <i>Tomicus destruens</i> | Mediterranean pine shoot beetle | No |
| <i>Trichoferus campestris</i> | Velvet longhorned beetle | No |
| <i>Trypodendron domesticum</i> | European hardwood ambrosia beetle | No |

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Mollusk



| Scientific Name | Common Name | Eco. & Environ.* |
|----------------------------|-------------------------------------|------------------|
| <i>Belocaulus</i> spp. | No common name, leatherleaf slugs | Yes** |
| <i>Cernuella</i> spp. | No common name, hygromiid snails | No |
| <i>Cernuella virgata</i> | Maritime garden snail | No |
| <i>Cochlicella</i> spp. | No common name, cochlicellid snails | No |
| <i>Colosius</i> spp. | No common name, leatherleaf slugs | Yes** |
| <i>Laevicaulis</i> spp. | No common name, leatherleaf slugs | Yes** |
| <i>Lissachatina fulica</i> | Giant African snail | Yes** |
| <i>Meghimatium pictum</i> | Chinese slug | Yes** |
| <i>Monacha</i> spp. | No common name, hygromiid snails | Yes** |
| <i>Sarasinula</i> spp. | No common name, leatherleaf slugs | Yes** |
| <i>Semperula</i> spp. | No common name, leatherleaf slugs | Yes** |
| <i>Veronicella</i> spp. | No common name, leatherleaf slugs | Yes** |

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**For 2020, mollusks have not been analyzed using the Objective Prioritization of Exotic Pests model. The mollusks on the 2020 Pests of Economic and Environmental Importance Prioritized Pest List were analyzed previously by the Analytic Hierarchy Process model.

Oak



| Scientific Name | Common Name | Eco. & Environ.* |
|----------------------------------|------------------------|------------------|
| <i>Agrilus biguttatus</i> | Oak splendour beetle | Yes |
| <i>Lymantria dispar asiatica</i> | Asian gypsy moth | No |
| <i>Lymantria mathura</i> | Rosy moth | No |
| <i>Platypus quercivorus</i> | Oak ambrosia beetle | Yes |
| <i>Raffaelea quercivora</i> | Japanese oak wilt | Yes |
| <i>Thaumetopoea processionea</i> | Oak processionary moth | Yes |

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Pine



| Scientific Name | Common Name | Eco. & Environ.* |
|--------------------------------|---------------------------------|------------------|
| <i>Cronartium flaccidum</i> | Scots pine blister rust | Yes |
| <i>Dendroctonus micans</i> | European spruce beetle | No |
| <i>Dendrolimus pini</i> | Pine-tree lappet | Yes |
| <i>Dendrolimus punctatus</i> | Masson pine moth | Yes |
| <i>Dendrolimus sibiricus</i> | Siberian silk moth | Yes |
| <i>Diprion pini</i> | Pine sawfly | No |
| <i>Hylobius abietis</i> | Large pine weevil | No |
| <i>Ips sexdentatus</i> | Six-toothed bark beetle | No |
| <i>Monochamus alternatus</i> | Japanese pine sawyer | No |
| <i>Monochamus urussovii</i> | Black fir sawyer | No |
| <i>Panolis flammea</i> | Pine beauty moth | No |
| <i>Tetropium castaneum</i> | Black spruce beetle | No |
| <i>Tetropium fuscum</i> | Brown spruce longhorned beetle | No |
| <i>Thaumetopoea pityocampa</i> | Pine processionary moth | Yes |
| <i>Tomicus destruens</i> | Mediterranean pine shoot beetle | No |

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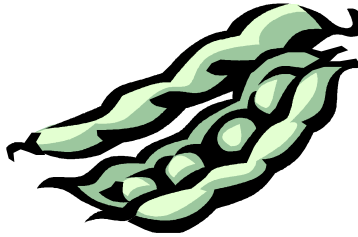
Small Grains



| Scientific Name | Common Name | Eco. & Environ.* |
|-------------------------------|-------------------------------------|------------------|
| <i>Anguina tritici</i> | Wheat seed gall nematode | Yes |
| <i>Cernuella virgata</i> | Maritime garden snail | No |
| <i>Cochlicella</i> spp. | No common name, cochlicellid snails | No |
| <i>Diabrotica speciosa</i> | Cucurbit beetle | Yes |
| <i>Eurygaster integriceps</i> | Sunn pest | Yes |
| <i>Helicoverpa armigera</i> | Old world bollworm | Yes |
| <i>Laodelphax striatellus</i> | Small brown planthopper | Yes |
| <i>Meloidogyne artiellia</i> | British root-knot nematode | No |
| <i>Spodoptera littoralis</i> | Egyptian cottonworm | No |

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Soybean



| Scientific Name | Common Name | Eco. & Environ.* |
|-------------------------------|-----------------------|------------------|
| <i>Alectra vogelii</i> | Yellow witchweed | No |
| <i>Autographa gamma</i> | Silver Y moth | Yes |
| <i>Ceruella virgata</i> | Maritime garden snail | No |
| <i>Chrysodeixis chalcites</i> | Golden twin spot moth | No |
| <i>Crociosema aporema</i> | Bud borer | No |
| <i>Diabrotica speciosa</i> | Cucurbit beetle | Yes |
| <i>Helicoverpa armigera</i> | Old world bollworm | Yes |
| <i>Spodoptera littoralis</i> | Egyptian cottonworm | No |

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Tropical Hosts



| Scientific Name | Common Name | Eco. & Environ.* |
|--|----------------------|------------------|
| <i>Ceratocystis manginecans</i> | Mango sudden decline | No |
| <i>Conogethes punctiferalis</i> | Castor capsule borer | No |
| <i>Fusarium oxysporum</i> f. sp. <i>cupense</i> Tropical Race 4 | Panama disease TR 4 | No |
| <i>Gymnandrosoma auratianum</i> | Citrus fruit borer | No |
| <i>Hemileia vastatrix</i> | Coffee leaf rust | No |
| <i>Neofusicoccum mangiferae</i> | Mango fruit rot | No |
| <i>Stenoma catenifer</i> | Avocado seed moth | No |

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Surveys Available through PPA 7721

Asian Defoliator



Photo by David Mohn, Critters Page (Creatures Great and Small), Bugwood.org.

| Scientific Name | Common Name | Eco. & Environ.* |
|----------------------------------|-------------------------|------------------|
| <i>Dendrolimus pini</i> | Pine-tree lappet | Yes |
| <i>Dendrolimus punctatus</i> | Masson pine moth | Yes |
| <i>Dendrolimus sibiricus</i> | Siberian silk moth | Yes |
| <i>Lymantria albescens</i> | Okinawa gypsy moth | No |
| <i>Lymantria dispar asiatica</i> | Asian gypsy moth | No |
| <i>Lymantria dispar japonica</i> | Japanese gypsy moth | No |
| <i>Lymantria mathura</i> | Rosy moth | No |
| <i>Lymantria monacha</i> | Nun moth | No |
| <i>Lymantria postalba</i> | White-winged gypsy moth | No |
| <i>Lymantria umbrosa</i> | Hokkaido gypsy moth | No |
| <i>Lymantria xyliina</i> | Casuarina tussock moth | No |

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Grape



| Scientific Name | Common Name | Eco. & Environ.* |
|---|------------------------------|------------------|
| ' <i>Candidatus</i> Phytoplasma australiense' 16SrXII-B | Australian grapevine yellows | Yes |
| ' <i>Candidatus</i> Phytoplasma solani' 16SrXII-A | Bois noir/stolbur | Yes |
| ' <i>Candidatus</i> Phytoplasma vitis' 16SrV-C | Flavescence dorée | Yes |
| <i>Cryptoblabes gnidiella</i> | Christmas berry webworm | Yes |
| <i>Eupoecilia ambiguella</i> | European grape berry moth | No |
| <i>Heteronychus arator</i> | Black maize beetle | Yes |
| <i>Lobesia botrana</i> | European grapevine moth | No |
| <i>Lycorma delicatula</i> | Spotted lanternfly | No |
| <i>Pseudopezicula tracheiphila</i> | Rotbrenner | Yes |

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Palm



| Scientific Name | Common Name | Eco. & Environ.* |
|--|--------------------------------------|------------------|
| <i>Aspidiotus rigidus</i> | False coconut scale | No |
| <i>Bursaphelenchus cocophilus</i> | Red ring nematode | Yes |
| ' <i>Candidatus</i> Phytoplasma palmae' 16SrIV | Palm lethal yellowing | Yes |
| <i>Cocadviroid</i> Coconut <i>cadang cadang</i> <i>viroid</i> | Coconut <i>cadang-cadang</i> (CCCVd) | Yes |
| <i>Darna pallivitta</i> | Nettle caterpillar | No |
| <i>Haplaxius crudus</i> | American palm cixiid | No |
| <i>Oryctes rhinoceros</i> | Coconut rhinoceros beetle | No |
| <i>Paysandisia archon</i> | South American palm borer | Yes |
| <i>Raoiella indica</i> | Red palm mite | No |
| <i>Rhabdoscelus obscurus</i> | New Guinea sugarcane weevil | No |
| <i>Rhynchophorus ferrugineus</i> | Red palm weevil | No |
| <i>Rhynchophorus palmarum</i> | South American palm weevil | No |

*Eco. & Environ. denotes that the pest is on the 2018 Pests of Economic and Environmental Importance Prioritized Pest List.

Solanaceous Hosts



| Scientific Name | Common Name | Eco. & Environ.* |
|---|-----------------------------------|------------------|
| <i>Autographa gamma</i> | Silver-Y moth | Yes |
| ' <i>Candidatus</i> Phytoplasma australiense' 16SrXII-B | Australian grapevine yellows | Yes |
| <i>Chrysodeixis chalcites</i> | Golden twin spot moth | No |
| <i>Globodera pallida</i> | Pale cyst nematode | No |
| <i>Globodera rostochiensis</i> | Golden nematode | No |
| <i>Helicoverpa armigera</i> | Old world bollworm | Yes |
| <i>Heteronychus arator</i> | Black maize beetle | Yes |
| <i>Meloidogyne fallax</i> | False Columbia root-knot nematode | No |
| <i>Neoleucinodes elegantalis</i> | Tomato fruit borer | Yes |
| <i>Orthotospovirus</i> Groundnut bud necrosis virus | Groundnut bud necrosis (GBNV) | Yes |
| <i>Ralstonia solanacearum</i> race 3 biovar 2 | Bacterial wilt | Yes |
| <i>Spodoptera littoralis</i> | Egyptian cottonworm | No |
| <i>Spodoptera litura</i> | Cotton cutworm | Yes |
| <i>Synchytrium endobioticum</i> | Potato wart | Yes |
| <i>Tecia solanivora</i> | Guatemalan potato moth | Yes |
| <i>Thaumatotibia leucotreta</i> | False codling moth | Yes |
| <i>Tuta absoluta</i> | Tomato leafminer | Yes |

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Stone Fruit



| Scientific Name | Common Name | Eco. & Environ.* |
|--|------------------------------|------------------|
| <i>Adoxophyes orana</i> | Summer fruit tortrix moth | No |
| <i>Bactrocera zonata</i> | Peach fruit fly | No |
| ' <i>Candidatus</i> Phytoplasma phoenicium' 16SrIX-B | Almond witches' broom | Yes |
| ' <i>Candidatus</i> Phytoplasma prunorum' 16SrX-F | European stone fruit yellows | Yes |
| <i>Epiphyas postvittana</i> | Light brown apple moth | No |
| <i>Grapholita funebrana</i> | Plum fruit moth | No |
| <i>Leucoptera malifoliella</i> | Pear leaf blister moth | No |
| <i>Lobesia botrana</i> | European grapevine moth | No |
| <i>Monilinia fructigena</i> | Brown rot, Apple brown rot | No |
| <i>Potyvirus Plum pox virus</i> | Plum pox (PPV) | No |
| <i>Rhagoletis cerasi</i> | European cherry fruit fly | No |
| <i>Thaumatotibia leucotreta</i> | False codling moth | Yes |

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